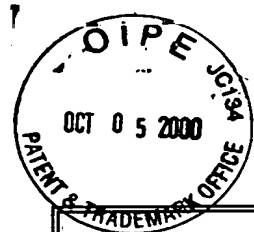




Sheet 1 of 3

FORM PTO-1449 INFORMATION DISCLOSURE CITATION (modified)		Atty Docket: BVL-105	Serial No.: 09/233,443				
		Applicant: van Lengerich					
		Filing Date: January 20, 1999	Group: 1761				
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
<i>as</i>		4,106,991	August 1978	Markussen et al.			
<i>as</i>		4,242,219	December 1980	Bogerman et al.			RECEIVED
<i>as</i>		4,689,235	August 1987	Barnes et al.			OCT 16 2000
<i>as</i>		5,087,461	February 1992	Levine et al.			GROUP 1700
<i>as</i>		5,183,690	February 1993	Carr et al.			
<i>as</i>		5,514,387	May 1996	Zimmerman et al.			
<i>as</i>		5,820,903	October 1998	Fleury et al.			
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Examiner Initial		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
<i>as</i>		15,312	March 23, 1911	Great Britain			RECEIVED
<i>as</i>		WO 92/00140	Jan. 9, 1992	WIPO			
<i>as</i>		WO 92/12645	Aug. 6, 1992	WIPO			OCT 18 2000
<i>as</i>		WO 94/23593	Oct. 27, 1994	WIPO			
<i>as</i>		WO 95/00121	Jan. 5, 1995	WIPO			TECH CENTER 1600/2900
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>as</i>		Per Artusson et al., "Characterization of Polyacryl Starch Microparticles as Carriers for Proteins and Drugs," <i>Journal of Pharmaceutical Science</i> , Vol. 73, No. 11, pps. 1507-1513 (Nov. 1984)					
<i>as</i>		Lennart Randen et al., "Coprecipitation of Enzymes with Water Soluble Starch -- An Alternative to Freeze-drying," <i>J. Pharm. Pharmacol.</i> , Vol. 40, pps. 763-766 (1988)					
<i>as</i>		Shigeaki Maruo et al., "Effects of Moranoline, 4-O- α -D-Glucopyranosylmoranoline and Their N-Substituted Derivatives on Thermostability of Cyclodextrin Glycosyltransferase, Glucoamylase, and β -Amylase," <i>Biosci. Biotech. Biochem.</i> , Vol. 57, No. 8, pps. 1294-1298, (1993)					
<i>as</i>		Wendell Q. Sun et al., "Protein stability in the amorphous carbohydrate matrix: relevance to anhydrobiosis," <i>Biochimica et Biophysica Acta</i> , Vol. 1425, pps. 245-254 (1998)					

Examiner: <i>as</i>	Date Considered: <i>6/01</i>
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Serial No. 09/233,443

GROUP 1700

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	5,952,033	September 1999	Anantharaman et al.	—	—	
	5,972,404	October 1999	van Lengerich	1	—	
	5,972,415	October 1999	Brassart et al.	1	—	
	6,004,594	December 1999	van Lengerich	—	—	RECEIVED
	5,079,012	January 1992	Lengerich et al.	—	—	
	3,962,416	June 1976	Katzen	1	—	OCT 18 2000
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	5,466,460	November 1995	McMahon et al.	—	—	
	4,999,208	March 1991	Lengerich et al.	—	—	
	5,071,668	December 1991	van Lengerich et al.	—	—	

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Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Translation Yes No
1	WO 95/18544	July 13, 1995	WIPO	—	—	
1	WO 97/16076	May 9, 1997	WIPO	—	—	
1	WO 97/39116	Oct. 23, 1997	WIPO	—	—	
1	WO 98/18610	May 7, 1998	WIPO	—	—	
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~	Colonna et al., "Extrusion Cooking of Starch & Starchy Products," <i>Extrusion Cooking</i> , C. Mercier, et al. AACC, St. Paul, MN (1989), pps. 247-319
~	Meuser et al., "A Systems Analytical Approach To Extrusion," <i>Food Extrusion Science & Technology</i> , ed. J. Kokini, Dekker Publ. (1992), pps. 619-630

Examiner:	~	Date Considered:	6/01
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		Applicant: van Lengerich					
		Filing Date: January 20, 1999	Group: 1761				
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class		
<i>m</i>		5,075,058	December 1991	Chan et al.	—		
<i>m</i>		3,404,984	October 1968	Olsen	—		
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<i>m</i>		EP 0 465 364 A1	Jan. 8, 1992	EPO	—	—	
<i>m</i>		EP 0 462 012 A2	Dec. 18, 1991	EPO	—	—	
<i>m</i>		WO 92/00130	Jan. 9, 1992	WIPO	—	—	
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<i>m</i>		WO 85/04074	Sept. 26, 1985	WIPO	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							

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Attorney Docket No.
BVL-105

Serial No. 09/233,443

INFORMATION DISCLOSURE STATEMENT

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Applicant: van Lengerich

Filing Date:
January 20, 1999

Group Art Unit: 1617

U.S. PATENT DOCUMENTS

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	Document Number	Date	Country	Class	Subclass.	Translation	
						Yes	No
6	91 03940	04/04/91	WO				
1	96 09773	04/04/96	WO		/	/	
1	40 21 678	01/09/92	DE	/	/		X
7	96 14058	05/17/96	WO				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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**Attorney Docket No.
BVL-105**

Serial No. 09/233,443

Applicant: van Lengerich

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